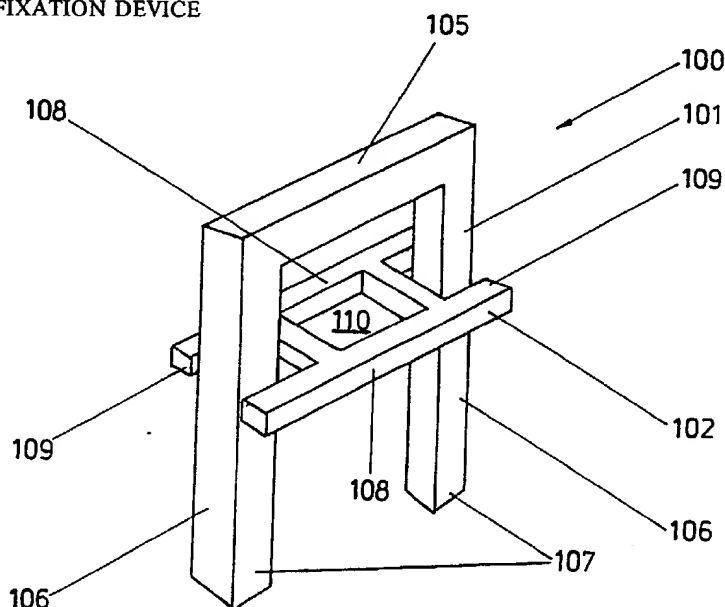




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>5</sup> :</b>  <b>A61B 17/064, 17/56</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 91/06249</b>  <b>(43) International Publication Date:</b> 16 May 1991 (16.05.91)
<b>(21) International Application Number:</b> PCT/GB90/01694 <b>(22) International Filing Date:</b> 5 November 1990 (05.11.90)  <b>(30) Priority data:</b> 8924806.6      3 November 1989 (03.11.89)    GB  <b>(71)(72) Applicant and Inventor:</b> SEEDHOM, Bahaa, Botros [GB/GB]; 28-30 Blenheim Terrace, Leeds LS2 9HD (GB).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only) :</b> COLLINS, Simom [GB/GB]; SWAN, Anthony, Charles [GB/GB]; 28-30 Blenheim Terrace, Leeds LS2 9HD (GB).  <b>(74) Agent:</b> ORR, William, McLean; Urquhart-Dykes & Lord, 8th Floor, Tower House, Merrion Way, Leeds, West Yorkshire LS2 8PA (GB).		<b>(81) Designated States:</b> AT (European patent), BE (European patent), CH (European patent), DE (European patent), DK (European patent), ES (European patent), FR (European patent), GB (European patent), GR (European patent), IT (European patent), JP, LU (European patent), NL (European patent), SE (European patent), US.  <b>Published</b> <i>With international search report.</i>

**(54) Title:** LIGAMENT FIXATION DEVICE**(57) Abstract**

There is disclosed a fixation device (100) for securing a prosthetic ligament (103) to a bone (104) and which comprises a bone staple (101) having a head portion (105) by means of which the staple can be driven into the bone, and a pair of legs (106) extending from the head (105) and having ends (107) engageable into the bone, characterised by a stirrup (102) for guiding the driving movement of the staple (101) and arranged also to cooperate with the staple in order to enable the prosthetic ligament (103) to engage the staple and the stirrup and to be securable to the bone (104) upon completion of driving of the staple (101) into the bone, the stirrup comprising two generally parallel side portions (108) which define guides (109) to receive the legs (106) of the staple and to guide the driving movement of the legs, and also defining an aperture (110) through which the ligament (103) can be taken prior to securement of the ligament to the bone.